

# Hearing Conservation Equipment Buyer's Guide

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1. Audiometers, Manual
2. Audiometers, Recording
3. Audiometer Calibration Systems
4. Audiometric Earphone Enclosures
5. Audiometric Testing Rooms and Booths
6. Audiometric Testing Vans
7. Hearing Protection Devices:
  - a. Ear-Canal Caps
  - b. Ear Muffs
  - c. Ear Muffs with Communication Equipment
  - d. Ear Plugs - Cast in Place
  - e. Ear Plugs - Custom Molded
  - f. Ear Plugs - Formed by User
  - g. Ear Plugs - Preformed
8. Noise Exposure Monitors, Fixed Location
9. Noise Dosimeters, Personal
10. Sound Level Meters
11. Sound Level Calibrators

Adco Hearing Conservation, 1558 California St., Denver, CO 80202, (303) 893-0624 - (7a, 7b, 7d, 7e, 7f, 7g, 10)  
 American Overseas Trading Corp., 4619 S. Carrollton Ave., New Orleans, LA 70119, (504) 488-1311 - (1-5, 7a, 7d, 7e, 7f, 7g, 8-11)  
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 George Koch Sons, Inc., P.O. Box 358, Evansville, IN 47744, (812) 426-9758 - (5)  
 ■ Maico Hearing Instruments, Inc., 7375 Bush Lake Rd., Minneapolis, MN 55435, (612) 835-4400 - (1, 2)

Mediprint, Inc., Box 565, Kent, CT 06757, (203) 265-2110 - (7g)  
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## Product Literature

### Disposable Ear Plugs

New test data rates the Propp-o-Plast ear plugs with a 20 dB NRR value and allows use by NIOSH in 94% of all typical industrial high noise situations. These ear plugs are made from mineral fibers and wrapped in a thin non-allergenic polyethylene plastic for better protection and hygiene. Two convenient packages are available - plastic pocket pouch of 10 pairs and dispenser refill of 500 pairs. *Bilsom International, Inc., Reston, VA.*

Circle 201 on Reader-Service Card

### Sound-Level Meter

The Model NA-23 real-time sound-level meter is designed for on-site sound level measurements and frequency analysis. Sound levels are displayed on a LED readout in A-, C- or flat weighting, in either fast or slow response. Frequency ranges are from 31.5 Hz to 8 kHz and can be simultaneously analyzed in 10 octave bands with the 1/1 octave filter. The NA-23 is in compliance with IEC Type 2, ANSI S1.4-1971, DIN, BS and JIS standards. *Rion Co., Ltd., Tokyo, Japan.*

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### Hearing Protector

The Model 27 has excellent real-ear noise attenuation according to ANSI S3.19-1974. Easily adjusted to fit the head, the headband is made of corrosion-proof chrome plated steel, has a non-absorbent cushion for increased comfort, and locks in position by means of a self-locking nut. The ear domes are of high impact polycarbonate made extra rigid by a ribbed construction. The ear seals are constructed of polyurethane for long life, perfect fit and added comfort. *David Clark Company, Worcester, MA.*

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### Portable FFT Analyzer

The Model 100A mini-analyzer is designed for use in diagnosing the cause of vibration and noise in real-time. Despite its simplicity of operation and relatively low cost, the 100A is powerful enough to solve almost any problem involving noise or vibration from 0.005 to 20,000 Hz. It incorporates such features as fast frequency zoom scan of any

400-line region of the spectrum without rerunning data, or time scan of 10k words of held time data. The operator can view the selected zoom region and the total frequency band simultaneously. Other dual displays include time and frequency, instant and averaged data, live and stored data; retention of three complete patterns of control settings and calibration constants; holding four complete 400-line functions for comparison, or averaging, at once; four separate zoom bands can be averaged simultaneously; phase reading for balancing; and conversion and rescaling of acceleration to velocity, displacement, or power spectral density readings. *Nicolet Scientific Corp., Northvale, NJ.*

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### Audiometer

Hearing test results are calculated automatically with the RA410S micro-automated audiometer. The 410S will present a complete audiometric test in accordance with preferred clinical procedures. The operator may choose to retest any missed frequencies in a manual or semi-automatic mode. For a convenient permanent record, data are printed out on type via a high speed electrostatic printer. The test information may also be transferred directly from the 410S to cassette tape or computer storage. *Tracor Instruments, Austin, TX.*

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### Noise Poster

A motivational, full color poster entitled "Noise...getting to you?," is available. The poster is designed in a friendly cartoon style. It is designed to remind workers that noise is harmful and that hearing protection is easily available. It shows how relief can be achieved in three easy steps. This free poster will help make hearing conservation more relevant to employees and positively reinforce the efforts of those responsible for managing hearing protection programs. *E-A-R Corporation Indianapolis, IN.*

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### Ear Protector

The SMR Ear Stopper's seal provides

both a high degree of sound attenuation and water protection. Because it is reusable, the SMR is economical to use. It is a thin-walled flexible cylinder formed of non-porous plastic with a balloon-like quality that permits continuous self adjustment. A safety tab keeps the SMR from being pushed too deeply into the ear canal and the design makes for easy insertion and removal. It is available in eight millimeter sizes ranging from 5 to 12 mm. *Ear Protection Devices, Escondido, CA.*

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### Portable Stroboscope

The 4912 is a portable stroboscope with built-in rechargeable batteries, compact enough to be hand held. It is intended for investigating mechanical equipment and engineering plants on the shop floor or in the field and features a digital tachometer (reading Hz or RPM, selectable) for precise measurement of rotational frequency. Both the tachometer display and the stroboscope lamp can be driven from an internal generator or synchronized with the machinery using a non-contact probe. The internal generator frequency control covers 5 to 130 Hz (300 to 7500 RPM) and is designed for easy, precise one-hand operation. A choice of photoelectric or magnetic tachometer probes is available for external triggering. The 4912 can also be triggered electrically at frequencies up to 20,000 Hz. *Bruel & Kjaer Instruments, Inc., Marlborough, MA.*

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### Hearing Protection Equipment

Catalog 3046-S lists a full line of ear muffs, ear inserts and gages as well as other related equipment and products. Product specifications and performance characteristics, descriptive copy, code and catalog numbers are all included. Also listed are names, addresses and toll-free telephone numbers of distribution centers in the U.S. *American Optical Corporation, Southbridge, MA.*

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### Distortion Analyzer

The Model 6880 is an automatic distort-

